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## Molecular Biology

Test	Result	Unit	Normal Range
COVID-19 by RT-PCR	Negative	N/A	Negative

### Comment :

Specimen: Nasopharyngeal swab, Oropharyngeal swab.  
Multiplex Real Time PCR

Note: Severe Acute Respiratory Coronavirus 2 RNA Detection, is a qualitative PCR test.

\*\* Not Detected: indicates that SARS COV-2 RNA is either not present in the specimen or is present at a concentration below the assay's lower

limit of detection. This result may be influenced by the stage of the infection and the quality of the specimen collected for testing. Repeat test if deemed necessary after 72 hours.

\*\* Detected: Detected indicates that SARS-COV-2 RNA is present in this specimen. Results should be interpreted in the context of all available lab and clinical finding.

\*\*Presumptive positive (ICONC)- indicates that only one of multiple genes is detected. Low viral load possible. Please send a repeat sample after 72-96 hours and correlate clinically.

#### \*\*Limitations:

- As all diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test but should only be made after all clinical and laboratory findings have been evaluated. Collection of multiple specimens from the same patient may be necessary to detect the virus.
- A false negative result may occur if a specimen is improperly collected, transported or handled. False negative results may also occur if amplification inhibitors are present in the specimen or if inadequate numbers of organisms are present in the specimen.
- If the virus mutates in the rRT-PCR target region, 2019-nCoV may not be detected or may be detected-less predictably. Inhibitors or other types of interference may produce a false negative result.
- This test cannot rule out diseases caused by other bacterial or viral pathogens.

End of report

Approved By

Prof.Hala Elsakhawy

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